

Cont
E5
the *Arabidopsis thaliana* EST-clone with genebank accession number T04806, and ID number 315966.

SEQ ID NO. 26: Nucleotide and amino acid sequence of the *Zea mays* cDNA clone with genebank ID number g4388167.

IN THE CLAIMS

Amend claims 4-6 and 9-11 as follows:

E6
4. (twice amended) An enzyme according to claim 1, comprising an amino acid sequence as set forth in SEQ ID NO. 16, 22 or 20 or a functional fragment, derivative, allele, homologue or isoenzyme thereof.

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5. (twice amended) An enzyme according to claim 1, comprising an amino acid sequence selected from the group consisting of sequences as set forth in SEQ ID NO. 17, 18, 25, 6, 27, 8, 13, 14, 15 or a functional fragment, derivative, allele, homologue or isoenzyme thereof.

6. (twice amended) An enzyme according to claim 1, comprising an amino acid sequence encoded through a nucleotide sequence, a portion, derivative, allele or homologue thereof selected from the group consisting of sequences as set forth in SEQ ID NO. 1, 21, 3, 23, 4, 19, 26, 5, 25, 26, 7, 28, 9, 29, 10, 30, 11, 31, 12, or a functional fragment, derivative, allele, homologue or isoenzyme of the enzyme encoding amino acid sequence.

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E7
9. (twice amended) A nucleotide sequence according to claim 7, selected from the group consisting of sequences as set forth in SEQ ID NO. 1, 21, 3, 23, 4, 19, 24, 29, 10, 30 or 11 or a portion, derivative, allele or homologue thereof.

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E7

10. (amended) A partial nucleotide sequence corresponding to a fulllength nucleotide sequence according to claim 7, selected from the group consisting of sequences as set forth in SEQ ID NO. 5, 25, 26, 7, 28, 9, 31 or 12 or a portion, derivative, allele or homologue thereof.

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11. (amended) A nucleotide sequence according to claim 7, comprising a nucleotide sequence which is at least 40% homologous to a nucleotide sequence selected from the group consisting of those sequences as set forth in SEQ ID NO. 1, 21, 3, 23, 4, 19, 24, 5, 25, 26, 7, 28, 9, 29, 10, 30, 11, 31 or 12.
